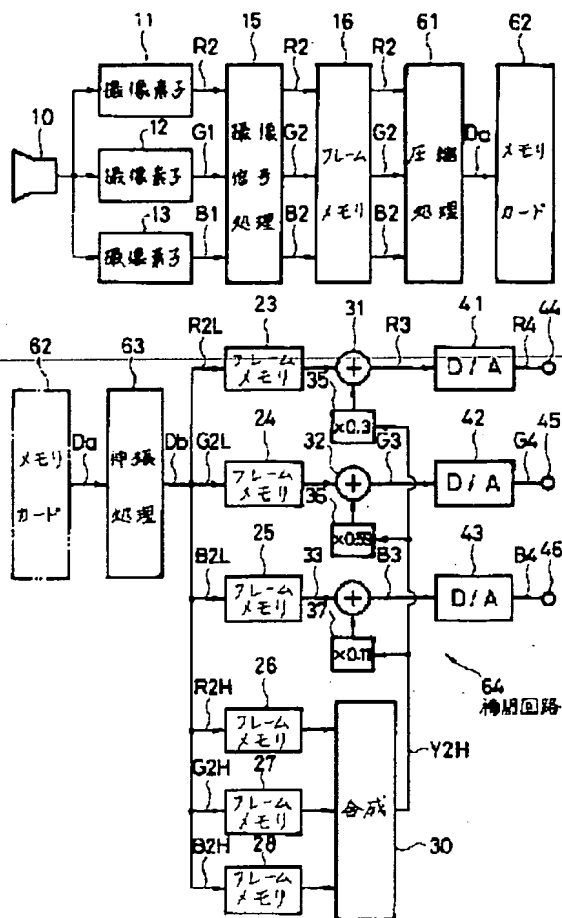## Patent Abstracts of Japan

PUBLICATION NUMBER : 06133320
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APPLICATION NUMBER : 04278930

APPLICANT : SONY CORP;

INVENTOR : SASAKI TADAO;

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TITLE : IMAGE PICKUP SIGNAL PROCESSOR

ABSTRACT : PURPOSE: To provide the image pickup signal processor in which a memory capacity of a frame memory is not increased even when picture elements are deviated spatially.

CONSTITUTION: Primary color signals R2, G2, B2 before interpolation are stored in a frame memory 16. A compression processing circuit 61 implements the compression processing. An expansion processing circuit 63 forms low frequency primary color signals R2L, G2L, B2L and high frequency primary color signals R2H, G2H, B2H corresponding to the primary color signals R2, G, B2. An interpolation circuit 64 regards the high frequency primary color signals R2H, G2H, B2H as a high frequency signal Y2 of a luminance signal to increase number of picture elements of the high frequency signal Y2H of the luminance signal and to increase number of picture elements of the low frequency primary color signals R2L, G2L, B2L. The low frequency primary color signals R2L, G2L, B2L whose picture element number is increased and the high frequency signal Y2H of the luminance signal whose picture element number is increased are added for each relevant picture element and primary color signals R3, G3, B3 are formed after interpolation.